

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete If Known			
		Application Number	NOT YET ASSIGNED		
		Filing Date	December 9, 2003		
		First Named Inventor	Kanwal K. Raina		
		Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	2	Attorney Docket Number	M4065.0206/P206-C

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
MBP	AA	5,210,472		05/1993	Casper et al.*	
MBP	AB	5,808,400		09/1998	Liu*	
MBP	AC	5,825,126		10/1998	Kim*	
MBP	AD	5,869,169		02/1999	Jones*	
MBP	AE	6,086,442		07/2000	Sandhu et al.*	
MBP	AF	5,186,670		02/1993	Doan et al.*	
MBP	AG	5,319,279		07/1994	Watanabe et al.*	
MBP	AH	4,624,737		11/1986	Shimbo*	
MBP	AI	4,642,620		02/1987	Togashi et al.*	
MBP	AJ	5,989,999		11/1999	Levine et al.*	
MBP	AK	5,853,492		12/1998	Cathey et al.*	
MBP	AL	5,747,384		05/1998	Miyamota*	
MBP	AM	5,888,906		03/1999	Sandhu et al.*	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MBP	CA	John H. Das et al., "LOW WORK FUNCTION ADDRESSABLE SILICON FIELD EMISSION SINGLE CATHODE WITH INTEGRATED LATERAL FEEDBACK RESISTOR AND SUSPENDED HEATER", School of Electrical Engineering, pages 47-51.*	
MBP	CB	W.A. Mackie, "WORK FUNCTION MEASUREMENTS OF DIAMOND FILM SURFACES", Linfield Research Institute, pages 2041-2045	
MBP	CC	Qing-An Huang et al., "THE ADVANTAGES OF N-TYPE HEAVILY-DOPED SILICON AS AN EMITTER FOR VACUUM MICROELECTRONICS", 9 th International Vacuum Microelectronics Conference, 1996, pages 155-157.*	
MBP	CD	B.C. Djubua et al., "EMISSION PROPERTIES OF SPINDT-TYPE COLD CATHODES WITH DIFFERENT EMISSION CONE MATERIAL", IEEE Transactions on Electron Device, Vol 38, No. 10, October 1991, pages 2314-2316.*	

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				Art Unit	N/A
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Sheet	2	of	2	Attorney Docket Number	M4065.0206/P206-C

<i>MBP</i>	CE	Qi-Lue Chen et al., "INVESTIGATION OF ELECTRON TUNNELLING EMITTER", Beijing Vacuum Electronics Research Institute, pages 488-490.*	
<i>MBP</i>	CF	J. Ishikawa et al, "CONE-SHAPED METAL INSULATOR SEMICONDUCTOR CATHODE FOR VACUUM MICROELECTRONICS", Dept. of Electronic Science and Engineering, Japan, pages 1970-1972	

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Examiner Signature	<i>MBP</i>	Date Considered	9/23/05
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PTO/SB/08a/b (08-03)

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				Application Number	10/730,041-Conf. #2998
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				First Named Inventor	Kanwal K. Raina
				Art Unit	2879
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	M4065.0206/P206-C

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1/BC	**AA	5,371,431	12/06/1994	Jones et al.	
7/6P	**AB	5,840,118	11/24/1998	Yamazaki	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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